



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/889,236
Source: 8/26/09 RUSH
Date Processed by STIC: 8/26/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202**
3. **Hand Carry directly to:**
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202**

Revised 01/29/2002



PCT/09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,236

DATE: 08/26/2002
TIME: 13:42:47

Input Set : A:\pf0659usn_seqlist.txt
Output Set: N:\CRF3\08262002\I889236.raw

4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
5 HILLMAN, Jennifer L.
6 TANG, Y. Tom
7 LU, Dyung Aina M.
8 AZIMZAI, Yalda
10 <120> TITLE OF INVENTION: PROTEINS ASSOCIATED WITH CIRCADIAN RHYTHMS
12 <130> FILE REFERENCE: PF-0659 PCT
14 <140> CURRENT APPLICATION NUMBER: US/09/889,236
15 <141> CURRENT FILING DATE: 2002-08-26
17 <150> PRIOR APPLICATION NUMBER: 09/231,160; unassigned
18 <151> PRIOR FILING DATE: 1999-01-15
20 <160> NUMBER OF SEQ ID NOS: 6
22 <170> SOFTWARE: PERL Program
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 251
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapiens
29 <220> FEATURE:
30 <221> NAME/KEY: misc_feature
31 <223> OTHER INFORMATION: Incyte ID No: 1581473CD1
33 <400> SEQUENCE: 1
34 Met Ala His Arg Leu Gln Ile Arg Leu Leu Thr Trp Asp Val Lys
35 1 5 10 15
36 Asp Thr Leu Leu Arg Leu Arg His Pro Leu Gly Glu Ala Tyr Ala
37 20 25 30
38 Thr Lys Ala Arg Ala His Gly Leu Glu Val Glu Pro Ser Ala Leu
39 35 40 45
40 Glu Gln Gly Phe Arg Gln Ala Tyr Arg Ala Gln Ser His Ser Phe
41 50 55 60
42 Pro Asn Tyr Gly Leu Ser His Gly Leu Thr Ser Arg Gln Trp Trp
43 65 70 75
44 Leu Asp Val Val Leu Gln Thr Phe His Leu Ala Gly Val Gln Asp
45 80 85 90
46 Ala Gln Ala Val Ala Pro Ile Ala Glu Gln Leu Tyr Lys Asp Phe
47 95 100 105
48 Ser His Pro Cys Thr Trp Gln Val Leu Asp Gly Ala Glu Asp Thr
49 110 115 120
50 Leu Arg Glu Cys Arg Thr Arg Gly Leu Arg Leu Ala Val Ile Ser
51 125 130 135
52 Asn Phe Asp Arg Arg Leu Glu Gly Ile Leu Gly Gly Leu Gly Leu
53 140 145 150
54 Arg Glu His Phe Asp Phe Val Leu Thr Ser Glu Ala Ala Gly Trp
55 155 160 165

Does Not Comply
Corrected Diskette Needed

pp 1,4-5

delete

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,236

DATE: 08/26/2002

TIME: 13:42:47

Input Set : A:\pf0659usn_seqlist.txt
 Output Set: N:\CRF3\08262002\I889236.raw

56 Pro Lys Pro Asp Pro Arg Ile Phe Gln Glu Ala Leu Arg Leu Ala
 57 170 175 180
 58 His Met Glu Pro Val Val Ala Ala His Val Gly Asp Asn Tyr Leu
 59 185 190 195
 60 Cys Asp Tyr Gln Gly Pro Arg Ala Val Gly Met His Ser Phe Leu
 61 200 205 210
 62 Val Val Gly Pro Gln Ala Leu Asp Pro Val Val Arg Asp Ser Val
 63 215 220 225
 64 Pro Lys Glu His Ile Leu Pro Ser Leu Ala His Leu Leu Pro Ala
 65 230 235 240
 66 Leu Asp Cys Leu Glu Gly Ser Thr Pro Gly Leu
 67 245 250
 70 <210> SEQ ID NO: 2
 71 <211> LENGTH: 217
 72 <212> TYPE: PRT
 73 <213> ORGANISM: Homo sapiens
 75 <220> FEATURE:
 76 <221> NAME/KEY: misc_feature
 77 <223> OTHER INFORMATION: Incyte ID No: 2267905CD1
 79 <400> SEQUENCE: 2
 80 Met Ser Cys Ala Gly Ala Ala Ala Pro Arg Leu Trp Arg Leu
 81 1 5 10 15
 82 Arg Pro Gly Ala Arg Arg Ser Leu Ser Ala Tyr Gly Arg Arg Thr
 83 20 25 30
 84 Ser Val Arg Phe Arg Ser Ser Gly Met Thr Leu Asp Asn Ile Ser
 85 35 40 45
 86 Arg Ala Ala Val Asp Arg Ile Ile Arg Val Asp His Ala Gly Glu
 87 50 55 60
 88 Tyr Gly Ala Asn Arg Ile Tyr Ala Gly Gln Met Ala Val Leu Gly
 89 65 70 75
 90 Arg Thr Ser Val Gly Pro Val Ile Gln Lys Met Trp Asp Gln Glu
 91 80 85 90
 92 Lys Asp His Leu Lys Phe Asn Glu Leu Met Val Met Phe Arg
 93 95 100 105
 94 Val Arg Pro Thr Val Leu Met Pro Leu Trp Asn Val Leu Gly Phe
 95 110 115 120
 96 Ala Leu Gly Ala Gly Thr Ala Leu Leu Gly Lys Glu Gly Ala Met
 97 125 130 135
 98 Ala Cys Thr Val Ala Val Glu Glu Ser Ile Ala His His Tyr Asn
 99 140 145 150
 100 Asn Gln Ile Arg Thr Leu Met Glu Glu Asp Pro Glu Lys Tyr Glu
 101 155 160 165
 102 Glu Leu Leu Gln Leu Ile Lys Lys Phe Arg Asp Glu Glu Leu Glu
 103 170 175 180
 104 His His Asp Ile Gly Leu Asp His Asp Ala Glu Leu Ala Pro Ala
 105 185 190 195
 106 Tyr Ala Val Leu Lys Ser Ile Ile Gln Ala Gly Cys Arg Val Ala
 107 200 205 210
 108 Ile Tyr Leu Ser Glu Arg Leu

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889, 236

DATE: 08/26/2002

TIME: 13:42:47

Input Set : A:\pf0659usn_seqlist.txt
Output Set: N:\CRF3\08262002\I889236.raw

109 215
112 <210> SEQ ID NO: 3
113 <211> LENGTH: 1294
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
117 <220> FEATURE:
118 <221> NAME/KEY: misc_feature
119 <223> OTHER INFORMATION: Incyte ID No: 1581473CB1
121 <400> SEQUENCE: 3
122 ttctgcgtca ggtccggct cctggacttc gcctttcccg agccctggag gtggggagaa 60
123 aaggttcacc aattttaaa atccaaatat atctcatggt acagtggaaag aactggccag 120
124 agagtctgga agtttgggtt ctggctctgg ctgtgccact gactcaactgt gacccctggaa 180
125 tcttgtctg tgaagacatt tccaaagtgc ttcatgttag ccagcaaatac tgaccacaaa 240
126 ggcctggaaa gaggtgattt ttaggttgcg cagagggtgtt cttatccagc tcagcttccc 300
127 ctgggaccca ccgtgggacc tgaggcagaa ctgggttggaa cttggcctcc tccatggcac 360
128 accggctgca gatacgaactg ctgacgtggg atgtgaagga caccgtgc tccatggcac 420
129 acccccttagg ggaggcctat gcaccaagg cccggggccca tgggctggag gtggagccct 480
130 cagccctgga acaaggcttc aggcaggcat acagggtca gagccacagc ttcccaact 540
131 acggcctgag ccacggccta acctcccgcc aatgggtggct ggtatgtggtc ctgcagac 600
132 tccacctggc ggggttccag gatgttcagg ctgtagcccc catcgctgaa cagctttata 660
133 aagacttcag ccacccctgc acctggcagg tgggtggatgg ggctgaggac accctgagg 720
134 agtgcgcac acggggctg agactggcag tggatctccaa ctttgaccga cggctagagg 780
135 gcatcctggg gggccttggc ctgcgtgaac acttcgactt tggctgacc tccgaggctg 840
136 ctggctggcc caagccggac ccccgcat tccaggaggc cttgcggctt gctcatatgg 900
137 aaccagtagt ggcagccat gttggggata attacctctg cgattaccag gggccctcggg 960
138 ctgtggcat gcacagcttc ctgggtggttt gcccacagggc actggacccc gtggtcagg 1020
139 attctgttacc taaagaacac atccctccct ctctggccca tctcctgcct gcccttgact 1080
140 gcctagaggg ctcaactcca ggcttttag ggcagtggagg gaagtggctg gggcccttaggc 1140
141 catggagaaa accttaaaca aaccctggag acaggggagcc ctttctttct ccacagctct 1200
142 ggacctttcc ccctctccctt gggccctttt tcacctactg tgataataaa gcagtggatg 1260
143 ctgagctctc accctttcccc cactaaaaaa aaaa 1294
146 <210> SEQ ID NO: 4
147 <211> LENGTH: 944
148 <212> TYPE: DNA
149 <213> ORGANISM: Homo sapiens
151 <220> FEATURE:
152 <221> NAME/KEY: misc_feature
153 <223> OTHER INFORMATION: Incyte ID No: 2267905CB1
155 <400> SEQUENCE: 4
156 cccacgcgtc cggttccgtt caacgaagtg gttgtttttt ttagttccgg caatgagttg 60
157 cgcggggcg gggcggtc cccgcctttt gggctgcgc ccaggggccc ggccgtccct 120
158 ctcagcttat ggaagaagaa ccagtgtcag atttcgcagt tcaagatga cttagacaa 180
159 tattcgttcgg gcaatgttgg atcgaataat ccgggtggat catgcaggcg aatatggagc 240
160 aaaccgcatac tatggccggc agatggctgt cttgggtcgg accagcgtcg ggccagtc 300
161 tcagaaaaatg tgggatcaag aaaaggacca tttgaaaaag ttcacatgagt tgatgttat 360
162 gttcagggtc cggccaaacag ttctgtatgcc cttgttggaaac gtgtgggggtt tgccactgg 420
163 ggcggggacc gcttgcgtcg ggaaggaagg tgcctatggcc tgcaccgtgg cgggtggaaaga 480
164 gacatagca catcactaca acaaccagat caggacgtcg atggaggagg accctgaaaa 540
165 atacgaggaa ctttttcagc tgataaaagaa atttcgggtt gaaagagctt agcaccatga 600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,236

DATE: 08/26/2002
TIME: 13:42:47

Input Set : A:\pf0659usn_seqlist.txt
Output Set: N:\CRF3\08262002\I889236.raw

166 cataggcctc gaccatgatg cagaattggc tccagcctat gccgtcctga agagcattat 660
167 ccaggccgga tgcagagtgg cgatataatt atcagaaaga ttataaagtg tgtccagttt 720
168 tgcctgtcta taaaagatga tagtaattt ccaagtgaca tttgcagaga aacaggtgta 780
169 cagttatcg tgcgtttt tacaatgtga attttgtaa taaattataa ggtttgtttt 840
170 tttttttta aactctgcag tggatttt tctctgggtt gtttttctg ccatgagacc 900
171 aacaggtcac cagccttgtt caagttacag caaacgaagc tggg 944

174 <210> SEQ ID NO: 5

175 <211> LENGTH: 260

176 <212> TYPE: PRT

177 <213> ORGANISM: Drosophila melanogaster

179 <300> PUBLICATION INFORMATION:

180 <308> DATABASE ACCESSION NO: GenBank ID No: q1561732

W--> 182 <300> PUBLICATION INFORMATION: 5

183 Met Arg Ser Leu Ser Arg Phe Arg Leu Ile Thr Phe Asp Val Thr
184 1 5 10 15
185 Asn Thr Leu Leu Gln Phe Arg Thr Thr Pro Gly Lys Gln Tyr Gly
186 20 25 30
187 Glu Ile Gly Ala Leu Phe Gly Ala Arg Cys Asp Asn Asn Glu Leu
188 35 40 45
189 Ala Lys Asn Phe Lys Ala Asn Trp Tyr Lys Met Asn Arg Asp Tyr
190 50 55 60
191 Pro Asn Phe Gly Arg Asp Thr Asn Pro Gln Met Glu Trp Gln Gln
192 65 70 75
193 Trp Trp Arg Lys Leu Ile Ala Gly Thr Phe Ala Glu Ser Gly Ala
194 80 85 90
195 Ala Ile Pro Asp Glu Lys Leu His Asn Phe Ser Asn His Leu Ile
196 95 100 105
197 Glu Leu Tyr Lys Thr Ser Ile Cys Trp Gln Pro Cys Asn Gly Ser
198 110 115 120
199 Val Glu Leu Leu Gln Gln Leu Arg Lys Glu Leu Lys Pro Glu Lys
200 125 130 135
201 Cys Lys Leu Gly Val Ile Ala Asn Phe Asp Pro Arg Leu Pro Thr
202 140 145 150
203 Leu Leu Gln Asn Thr Lys Leu Asp Gln Tyr Leu Asp Phe Ala Ile
204 155 160 165
205 Asn Ser Tyr Glu Val Gln Ala Glu Lys Pro Asp Pro Gln Ile Phe
206 170 175 180
207 Gln Lys Ala Met Glu Lys Ser Gly Leu Lys Asn Leu Lys Pro Glu
208 185 190 195
209 Glu Cys Leu His Ile Gly Asp Gly Pro Thr Thr Asp Tyr Leu Ala
210 200 205 210
211 Ala Lys Glu Leu Gly Trp His Ser Ala Leu Val His Glu Lys Ser
212 215 220 225
213 Tyr Ala Tyr Leu Val Lys Lys Tyr Gly Glu Asp Ile Asp Arg Asp
214 230 235 240
215 His Val Phe Pro Ser Leu Tyr Asp Phe His Lys Lys Ile Ser Asp
216 245 250 255
217 Gly Ala Val Val Trp
218 260

→ (309) this and
its response
are mandatory
whenever
(308) has a
response

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,236

DATE: 08/26/2002
TIME: 13:42:47

Input Set : A:\pf0659usn_seqlist.txt
Output Set: N:\CRF3\08262002\I889236.raw

222 <210> SEQ ID NO: 6
223 <211> LENGTH: 217
224 <212> TYPE: PRT
225 <213> ORGANISM: Mus musculus
227 <300> PUBLICATION INFORMATION:
228 <308> DATABASE ACCESSION NO: GenBank ID No: q3415017

W--> 230 <300> PUBLICATION INFORMATION: 6

231 Met Ser Ala Ala Gly Ala Ile Ala Ala Ala Ser Val Gly Arg Leu
232 1 5 10 15
233 Arg Thr Gly Val Arg Arg Pro Phe Ser Glu Tyr Gly Arg Gly Leu
234 20 25 30
235 Ile Ile Arg Cys His Ser Ser Gly Met Thr Leu Asp Asn Ile Asn
236 35 40 45
237 Arg Ala Ala Val Asp Arg Ile Ile Arg Val Asp His Ala Gly Glu
238 50 55 60
239 Tyr Gly Ala Asn Arg Ile Tyr Ala Gly Gln Met Ala Val Leu Gly
240 65 70 75
241 Arg Thr Ser Val Gly Pro Val Ile Gln Lys Met Trp Asp Gln Glu
242 80 85 90
243 Lys Asn His Leu Lys Lys Phe Asn Glu Leu Met Ile Ala Phe Arg
244 95 100 105
245 Val Arg Pro Thr Val Leu Met Pro Leu Trp Asn Val Ala Gly Phe
246 110 115 120
247 Ala Leu Gly Ala Gly Thr Ala Leu Leu Gly Lys Glu Gly Ala Met
248 125 130 135
249 Ala Cys Thr Val Ala Val Glu Glu Ser Ile Ala Asn His Tyr Asn
250 140 145 150
251 Asn Gln Ile Arg Met Leu Met Glu Glu Asp Pro Glu Lys Tyr Glu
252 155 160 165
253 Glu Leu Leu Gln Val Ile Lys Gln Phe Arg Asp Glu Glu Leu Glu
254 170 175 180
255 His His Asp Thr Gly Leu Asp His Asp Ala Glu Leu Ala Pro Ala
256 185 190 195
257 Tyr Ala Leu Leu Lys Arg Ile Ile Gln Ala Gly Cys Ser Ala Ala
258 200 205 210
259 Ile Tyr Leu Ser Glu Arg Phe
260 215

7/30/97
same
end as
previous
page

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/889,236

DATE: 08/26/2002

TIME: 13:42:48

Input Set : A:\pf0659usn_seqlist.txt

Output Set: N:\CRF3\08262002\I889236.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:182 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:5

L:230 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:6